

Recombinant Human CD47 Protein

RPCB0575

Protein Information

Size:	100 µg	Tag:	No Tag
Reactivity:	Human	Expressed Host:	HEK293 cells
Calculated MW:	13.72 kDa	Observed MW:	35-48 kDa

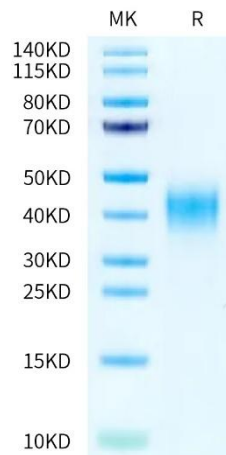
Background

CD47 (Cluster of Differentiation 47) also known as integrin associated protein (IAP) is a transmembrane protein that in humans is encoded by the CD47 gene. CD47 belongs to the immunoglobulin superfamily and partners with membrane integrins and also binds the ligands thrombospondin-1 (TSP-1) and signal-regulatory protein alpha (SIRPα). CD-47 acts as a don't eat me signal to macrophages of the immune system which has made it a potential therapeutic target in some cancers.

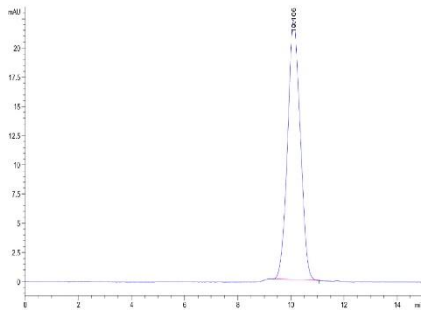
Properties

Synonyms:	CD47 glycoprotein, CD47 molecule, CD47, IAP, OA3, MER6
Gene ID:	961
Endotoxin:	< 1 EU/µg of the protein by LAL method.
Description:	High quality, high purity and low endotoxin recombinant Recombinant Human CD47 Protein (RPCB0575), tested reactivity in HEK293 cells and has been validated in SDS-PAGE. 100% guaranteed.
Purity:	≥ 95 % as determined by SDS-PAGE; ≥ 95 % as determined by HPLC.
Storage:	Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Validation Data



Recombinant Human CD47 Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Human CD47 is greater than 95% as determined by SEC-HPLC.